

Abstract of the Disclosure

Gear System for an Internal Combustion Engine

An internal combustion engine has a cylinder block defining a cylinder. A piston is disposed in the cylinder. The internal combustion engine has a connecting rod connected to the piston and a crankshaft connected to the connecting rod. The internal combustion engine has a vcr mechanism connected to the crankshaft. A first gear is connected to the crankshaft, and a second gear is in mesh with the first gear. The second gear is connected to the vcr mechanism. The internal combustion engine has a third gear in mesh with the second gear. The third gear has a fixed center of rotation.